

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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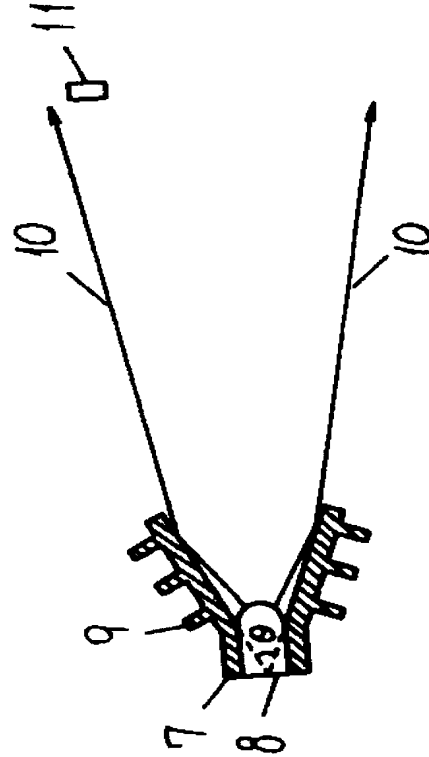
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TITLE : LIGHT TRANSMITTING DEVICE



**ABSTRACT :** **PURPOSE:** To increase radiation intensity and to obtain intermediate directivity, by contacting a light emitting element with the inner side of the vertex of the cone of a reflector, fixing the element, forming the inner surface of the cone of the reflector in a mirror shape, and providing heat dissipating fins on the outer surface.

**CONSTITUTION:** A light emitting element 8, which comprises an LED and has broad directivity, is contacted with the inner surface of the vertex of the cone of a conical reflector 7 with a broad area. Heat conductivity is improved by applying silicon grease to the contact part. The inner surface of the reflector 7 is of a mirror shape. Heat dissipating fins 9 are provided on the outer surface of the reflector 7. Since the emitted light is reflected by the inner surface, all the light is utilized for communication.

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